

18. Theoretical Topics (If there is any)	Lecturer's name
<p><b>Week, 1:</b> Course Book Illustration and Glossary.</p> <p><b>Week, 2:</b> Introduction Botany, Characteristics of organisms, Special characteristics of plants, Biology, What is a plant? Bio-Science.</p> <p><b>Week, 3:</b> Fundamental Components of Botany                      1. Morphology                      2. Anatomy 3. Taxonomy 4. Cytology 5. Embryology 6. Genetics                      7. Evolution 8. Paleontology 9. Physiology 10. Ecology, Scopes of botany                      1-Economic botany: 2- Agriculture 3- Forestry                      4- Horticulture 5- Plant Pathology: 6-Plant breeding:                      7- Microbiology: 8- Pharmacognosy</p> <p><b>Week, 4:</b> THE PLANT WORLD</p> <ol style="list-style-type: none"> <li>1. Cryptogams (Non-Flowering Plants):</li> <li>2. Spermatophyta (Seed Plants)</li> <li>3. Gymnosperms (Naked Seed Plants)</li> <li>4. Angiosperms (Flowering Plants); Monocots and Dicots.</li> </ol> <p><b>Week, 5:</b> PLANT LIFE CYCLES (Plant duration):                      INTERNAL and EXTERNAL PLANT PARTS:</p> <ol style="list-style-type: none"> <li>1. Root</li> <li>2. Stems</li> </ol> <p><b>Week, 6:</b> Leaves</p> <ol style="list-style-type: none"> <li>3. Buds</li> <li>4. Flowers; Flower parts, Type of perianthcycly,</li> <li>5. Types of inflorescences</li> </ol> <p><b>Week, 7:</b> Fruits, Seeds and Seed germination, Plant Growth and Development, Photosynthesis, Respiration, Photosynthesis and Respiration; Transpiration</p> <p><b>Week, 8:</b> Environmental Factors Affecting Plant Growth; Light - Quality, Quantity and Duration; Short day length plants; Long day plants; Day neutral plants flower; Temperature; Thermoperiod; Breaking dormancy - cold period; Plants in Communities.</p>	<p>Dr. SerwanTaha Al-dabbagh</p> <p>The theoretical lecture takes 2 hrs. And Every practical lecture takes 3 hrs.</p>

<p><b>Week, 9: ALTERNATION OF GENERATIONS</b></p> <p>Life cycle of Green Algae</p> <p>Life cycle of mosses</p> <p>Life cycle of Ferns</p> <p>Life cycle of Conifers (Coniferophyta)</p> <p>life cycle of flowering plants</p> <p><b>Week, 10: Plant habitats</b></p> <p>Xerophyte; Halophyte; Hydrophyte; Epiphytic plants; Giant flowering plants; Miniature flowering plants.</p> <p><b>Week, 11:SECONDARY GROWTH</b></p> <p>secondary growth in dicot stem</p> <p>A. Secondary growth by Vascular cambium; Stem and Root</p> <p>B. Secondary Growth by Cork Cambium</p>	
--	--